

# Project Spotlight

## Brooklyn Basin: Estuary Fill-Oakland ,CA

Owner: Signature Development Group

Contractor: The Conco Companies

Installer: Flashfill Services



### Background Information

The city of Oakland is experiencing a significant transformation on its estuary: the Brooklyn Basin. Developed over a period of ten years, the Brooklyn Basin project is transforming 64 acres of post-industrial land on the Oakland Estuary into a neighborhood with 32 acres of parks, open spaces, restored wetlands, more than 3,000 residences, 200,000 square feet of retail and commercial space. This project will not only restore essentially unused land, but will significantly increase commerce and economic development in the city of Oakland.



### Project Details

The extensive project involves many complex elements, one of which is the fact that development on an estuary requires significant soil stabilization. With a project of this magnitude, another important consideration is cost and labor savings. In order to stabilize the estuary soil, the owner needed to find a lightweight yet incredibly strong material for the foundational sub-base of many of these new structures.



Aerix's Aerlite™ low-density cellular concrete (LDCC) was chosen for this application because it provided these characteristics while also offering quick-and-easy installation. In May 2017, the installation crew from Flashfill Services and The Conco Companies installed 17,000 cubic yards of Aerlite at a rate of 180 CY per hour (avg 1,250 CY per day) to support 45,000 square feet of structure, using in-line foam injection to pump the concrete for distances of more than 1,000 feet.



### Aerix Added Value

The use of Aerix's Aerlite LDCC not only provided the strength and stability needed for this extensive development project, but also sped up the installation process, which resulted in substantial labor and material cost savings. With enhanced compressive strength, extreme lightweight, and incredible flexibility Aerix's Aerlite was an essential component to Oakland's Brooklyn Basin transformation.